

CLAIMS

What is claimed as being new and desired to be protected by LETTERS PATENT of the United States is as follows:

*Sub A1>* 1. A golfing aide system for assisting golfers and improving their game comprising, in combination:

a global positioning system device being capable to pinpoint the accurate positions of key landmarks on the golf course for mapping of a landscape of a golf course, the global positioning system device adapted to transmit and receive information;

a cellular technology device providing standard and advanced mobile phone communication capabilities to golfers, the cellular technology device adapted to transmit and receive information;

a wireless modem being able to link the system to a phone line and provide for data communication, the wireless modem adapted to transmit and receive information;

a low power radio frequency transceiver allowing functional communication between golfers, the clubhouse and any other entity requiring this type of communication, the low power radio frequency transceiver adapted to transmit and receive information;

a cellular digital packet data technology device allowing for the fast and cost effective transmission of data as required for internet access, email and the like, the cellular digital packet data technology device adapted to transmit and receive information;

a handheld proprietary touch screen personal computer for a golfer adapted to transmit and receive information between the

personal computer and the global positioning system device, the cellular technology device, the wireless modem, the low power radio frequency transceiver and the cellular digital packet data technology device;

an operating system to allow a golfer to interface with the computer; and

software to perform the necessary operations based upon the input and output of the personal computer to enable the system to work and assist the golfer for automated distance calculations, equipment indication, club selection, course management, scoring, statistics, cataloguing courses, mapping of a landscape of a golf course, and other functions in a synchronous and beneficial fashion for improved golfing performance.

2. A golfing aide system for assisting golfers and improving their game comprising, in combination:

a plurality of electronic devices selected from the class of electronic devices including a global positioning system device, cellular technology device, a wireless modem, a low power radio frequency transceiver, and cellular digital packet data technology device adapted to transmit and receive information;

a handheld proprietary touch screen personal computer for a golfer adapted to transmit and receive information with any of a plurality of devices;

an operating system to allow a golfer to interface with the computer; and

software to perform the necessary operations based upon the input and output of the personal computer to enable the system to

~~R~~ work and assist the golfer for associated functions such as automated distance calculations, equipment indication, club selection, course management, scoring, statistics, cataloguing courses, golf course mapping and other functions in a synchronous and beneficial fashion for improved golfing performance.

3. A method of assisting golfers and improving their game comprising, in combination, the steps of:

providing a global positioning system device being capable to pinpoint the accurate positions of key landmarks on the golf course, the global positioning system device adapted to transmit and receive information and to map a landscape of a golf course;

providing a cellular technology device providing standard and advanced mobile phone communication capabilities to golfers, the cellular technology device adapted to transmit and receive information;

providing a wireless modem being able to link the system to a phone line and provide for data communication, the wireless modem adapted to transmit and receive information;

providing a low power radio frequency transceiver allowing functional communication between golfers, the clubhouse and any other entity requiring this type of communication, the low power radio frequency transceiver adapted to transmit and receive information;

providing a cellular digital packet data technology device allowing for the fast and cost effective transmission of data as required for internet access, email and the like, the cellular

digital packet data technology device adapted to transmit and receive information;

providing a handheld proprietary touch screen personal computer for a golfer;

transmitting and receiving information between the personal computer and the global positioning system device, the cellular technology device, the wireless modem, the low power radio frequency transceiver and the cellular digital packet data technology device;

providing an operating system to allow a golfer to interface with the computer; and

providing software to perform the necessary operations based upon the input and output of the personal computer to enable the system to work and assist the golfer for automated distance calculations, equipment indication, club selection, course management, scoring, statistics, cataloguing courses, and other functions in a synchronous and beneficial fashion for improved golfing performance.

4. A method of assisting golfers by mapping a landscape of a golf course comprising, in combination:

providing a system having a global positioning system, a personal computer, operating system and software;

activating the system to begin collecting latitude and longitude coordinates from a global positioning system at a rate of no less than one coordinate per second;

tracing the perimeter of the desired region such as a tee box, bunker, sand trap, green and fairway with the global

positioning system collecting all the points associated with the outline of that region;

ending the data collection by the manual disabling of the data collection;

importing a unique field into the electronically traced region, the field being representative of the region being traced;

forming a graphic representation of the newly traced region with the appropriate field displayed in the associated region with different representations for each associated region; and

collecting a response from a golfer as to whether there is there another region needed to be collected, if "Yes" return to activating step, if "No" end.

5. A method of assisting golfers and improving their game comprising, in combination, the steps of:

providing a global positioning system device being capable to pinpoint the accurate positions of key landmarks on the golf course, the global positioning system device adapted to transmit and receive information and to map a landscape of a golf course;

providing a cellular technology device providing standard and advanced mobile phone communication capabilities to golfers, the cellular technology device adapted to transmit and receive information;

providing a wireless modem being able to link the system to a phone line and provide for data communication, the wireless modem adapted to transmit and receive information;

providing a low power radio frequency transceiver allowing functional communication between golfers, the clubhouse and any other entity requiring this type of communication, the low power radio frequency transceiver adapted to transmit and receive information;

providing a cellular digital packet data technology device allowing for the fast and cost effective transmission of data as required for internet access, email and the like, the cellular digital packet data technology device adapted to transmit and receive information;

providing a handheld proprietary touch screen personal computer for a golfer;

transmitting and receiving information between the personal computer and the global positioning system device, the cellular technology device, the wireless modem, the low power radio frequency transceiver and the cellular digital packet data technology device;

providing a operating system to allow a golfer to interface with the computer;

providing software to perform the necessary operations based upon the input and output of the personal computer to enable the system to work and assist the golfer for automated distance calculations, equipment indication, club selection, course management, scoring, statistics, cataloguing courses, and other functions in a synchronous and beneficial fashion for improved golfing performance;

activating the system to begin collecting latitude and longitude coordinates from a global positioning system at a rate of no less than one coordinate per second;

tracing the perimeter of the desired region such as a tee box, bunker, sand trap, green and fairway with the global positioning system collecting all the points associated with the outline of that region;

ending the data collection by the manual disabling of the data collection;

importing a unique field into the electronically traced region, the field being representative of the region being traced;

forming a graphic representation of the newly traced region with the appropriate field displayed in the associated region with different representation for each associated region; and

collecting a response from a golfer as to whether there is there another region needed to be collected, if "Yes" return to activating step, if "No" end.

Concluded

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